Owner's Operating Service Instruction Manual

10¢

Single Speed TRANSMISSION
TIRES - F: 10.25" x 3.25" RIB TREAD Semi Pneumatic
R. 12.50" x 4.00" Semi-Pneumatic
BRAKES - Band

- ASSEMBLY
- OPERATION
- REPAIR PARTS

Model Nos.
135-360A
135-362A

25" RIDING MOWERS

WARRANTY

For one year from date of purchase, MTD Products Inc will replace for the original purchaser, free of charge, F.O.B. factory or authorized service firm, any part or parts found to be defective in material or workmanship. All transportation charges on parts submitted for replacement under this warranty must be paid by the purchaser. This warranty does not include replacement of parts which become inoperative through misuse, excessive use, accident, neglect, improper maintenance or alterations by unauthorized persons. This warranty does not include the engine, motor, battery, battery charger or any component parts thereof. For service on these units, refer to the applicable manufacturer's warranty.

The above warranty will apply only to the original owner and will be effective only if the warranty card has been properly processed. It will not apply where the unit has been used commercially.

Warranty service is available through your local authorized service dealer or distributor. UNDER NO CIRCUMSTANCES WILL THE RETURN OF A COMPLETE UNIT BE ACCEPTED BY THE FACTORY UNLESS PRIOR WRITTEN PERMISSION HAS BEEN EXTENDED.

MTD PRODUCTS INC • 5389 WEST 130th STREET • P. O. BOX 2741 CLEVELAND OHIO 44111

PRINTED IN U.S.A.

FORM NO. 770-5637

IMPORTANT

SAFE OPERATION PRACTICES FOR RIDING VEHICLES

1. Know the controls and how to stop quickly—READ THE OWNER'S MANUAL.
2. Do not allow children to operate vehicle. Do not allow adults to operate it without proper instruction.
3. Do not carry passengers. **Keep children and pets a safe distance away.**
4. Clear work area of objects which might be picked up and thrown.
5. Disengage all attachment clutches and shift into neutral before attempting to start engine.
6. Disengage power to attachment(s) and stop engine before leaving operator position.
7. Disengage power to attachment(s) and stop engine before making any repairs or adjustments.
8. Disengage power to attachment(s) when transporting or not in use.
9. Take all possible precautions when leaving vehicle unattended such as disengaging power-take-off, lowering attachments, shifting into neutral, setting parking brake, stopping engine and removing key.
10. Do not stop or start suddenly when going uphill or downhill. Mow up and down face of steep slopes; never across the face.
11. Reduce speed on slopes and in sharp turns to prevent tipping or loss of control. Exercise extreme caution when changing direction on slopes.
12. Stay alert for holes in terrain and other hidden hazards.
13. Use care when pulling loads or using heavy equipment.
    A. Use only approved drawbar hitch points.
    B. Limit loads to those you can safely control.
    C. Do not turn sharply. Use care when backing.
    D. Use counterweight(s) or wheel weights when suggested in owner's manual.
14. Watch out for traffic when crossing or near roadways.
15. When using any attachments never direct discharge of material toward bystanders nor allow anyone near vehicle while in operation.
16. Handle gasoline with care—it is highly flammable.
    A. Use approved gasoline container.
    B. Never remove cap or add gasoline to a running or hot engine or fill fuel tank indoors. Wipe up spilled gasoline.
    C. Open doors if engine is run in garage — exhaust fumes are dangerous. Do not run engine indoors.
17. Keep the vehicle and attachments in good operating condition, and keep safety devices in place. Use guards as instructed in owner's manual.
18. Keep all nuts, bolts, and screws tight to be sure the equipment is in safe working condition.
19. Never store the equipment with gasoline in the tank inside a building where fumes may reach an open flame or spark. Allow engine to cool before storing in any enclosure.
20. To reduce fire hazard keep engine free of grass, leaves or excessive grease.
21. The vehicle and attachments should be stopped and inspected for damage after striking a foreign object, and the damage should be repaired before restarting and operating the equipment.
22. Do not change the engine governor settings or overspeed the engine.
23. When using the vehicle with mower, proceed as follows:
    (1) Mow only in daylight or in good artificial light.
    (2) Never make a cutting height adjustment while engine is running if operator must dismount to do so.
    (3) Shut engine off when removing grass catcher and/or unclogging chute.
    (4) Check blade mounting bolts for proper tightness at frequent intervals.
24. Check grass catcher bags frequently for wear or deterioration. Replace with new bags for safety protection.

ASSEMBLY

GRASS CATCHER Model No. 195-015A is available as optional equipment for the mowers shown in this manual.

WARNING

1. The mower should not be operated without the entire grass catcher or chute deflector in place.

NOTE

Under normal usage bag material is subject to wear, and should be checked periodically. Be sure any replacement bag complies with the mower manufacturer's recommendations.

For replacement bags, use only factory authorized replacement bag No. 764-0121.

The manufacturer DOES NOT recommend the use of any accessory on these riding mowers other than those manufactured by MTD Products Inc.

Your mower is shipped assembled except for the steering wheel assembly, seat and trailer hitch. These parts, with the necessary hardware, are easily assembled to the machine, as outlined.

NOTE

Reference to right-hand or left-hand side of machine is from the driver's seat facing forward.

TIRE PRESSURE

For shipping purposes, the tires on your unit may be over-inflated. Tire pressure should be reduced before unit is put into operation. Pressure should be approximately 15 p.s.i. Equal tire pressure should be maintained. **Maximum** tire pressure 30 p.s.i.

TOOLS REQUIRED
Two 7/16" Wrenches
One ½" Wrench
One ¾" Wrench

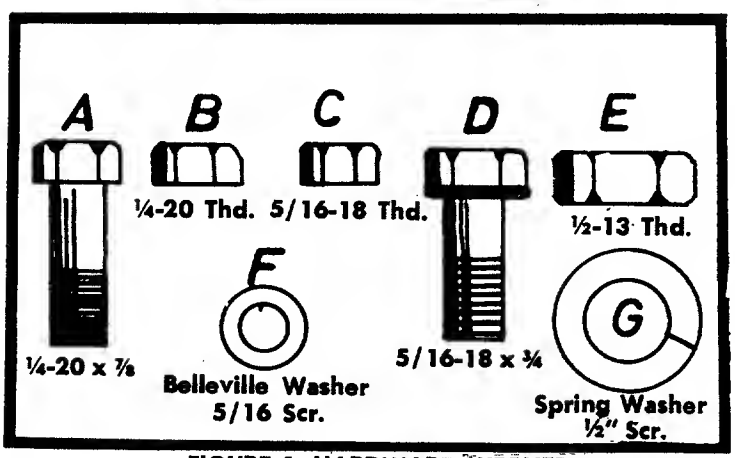

FIGURE 1. HARDWARE SUPPLIED

Step 1. Remove the lawn mower and all parts from the carton. Make certain that all loose parts and literature have been removed before the carton is discarded.

Step 2. Remove the three bolts and nuts on the left hand side of the hood and loosen the front bolt and nut as shown in figure 2.

Step 3. Remove the two bolts and nuts on the right hand side of the hood and loosen the front bolt and nut as shown in figure 3 and raise the hood.

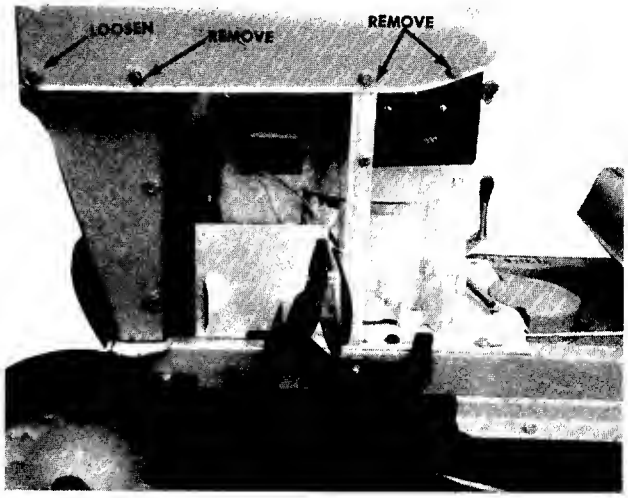

FIGURE 2. HOOD LEFT SIDE

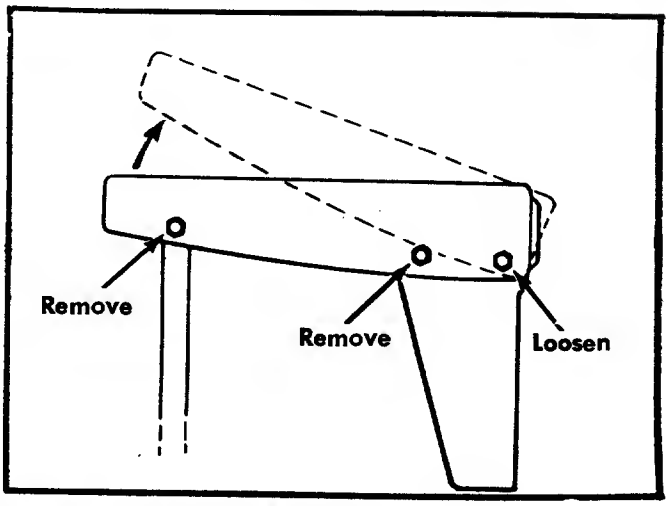

FIGURE 3. HOOD RIGHT SIDE

Step 4. Turn the wheels so they are pointed straight ahead.

Step 5. Place steering wheel on steering wheel assembly. Secure with Belleville washer (F) and hex nut (G). Push on steering wheel cap by hand. See figure 4.

Step 6. Place the steering wheel assembly so it rests in the notch in the steering frame and the gears mesh. Be sure the steering wheel is straight. Secure the steering wheel assembly with two screws D provided in the assembly pack. See figure 4.

Step 7. Place one of the two tube clamps on the steering column and the other on the steering frame. Fasten with four screws A and nuts B. Tighten the four screws evenly so the clearance between the four edges of the tube clamps are even. See figure 4.
Lubricate the gears with an automotive multipurpose grease.

Step 8. Reassemble hood.

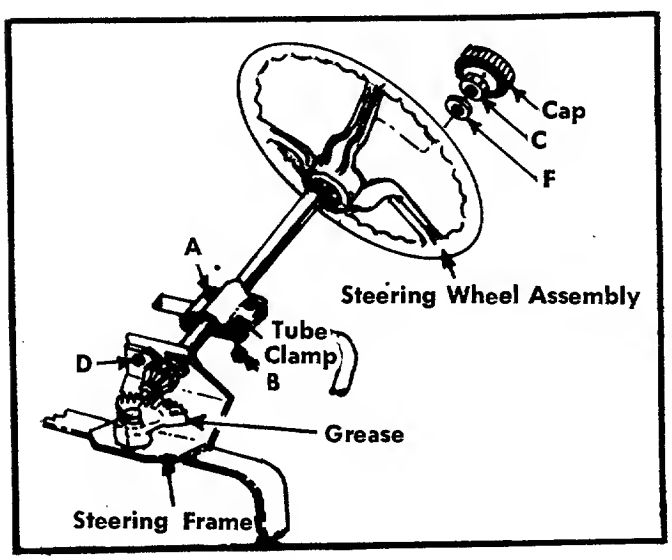

FIGURE 4. STEERING WHEEL ASSEMBLY

Step 9. Position the trailer hitch on the center of the rear frame section and fasten with bolts A and nuts B. See figure 5.

Step 10. Assemble the seat to the seat spring with lockwasher G and nut E. See figure 6. The seat is adjustable to one of three positions.

Step 11. Check ALL nuts and bolts for correct tightness.

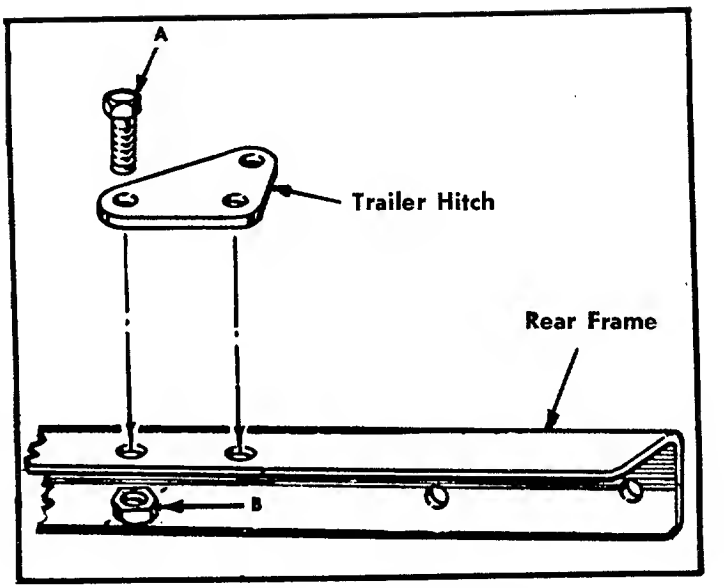

FIGURE 5. TRAILER HITCH

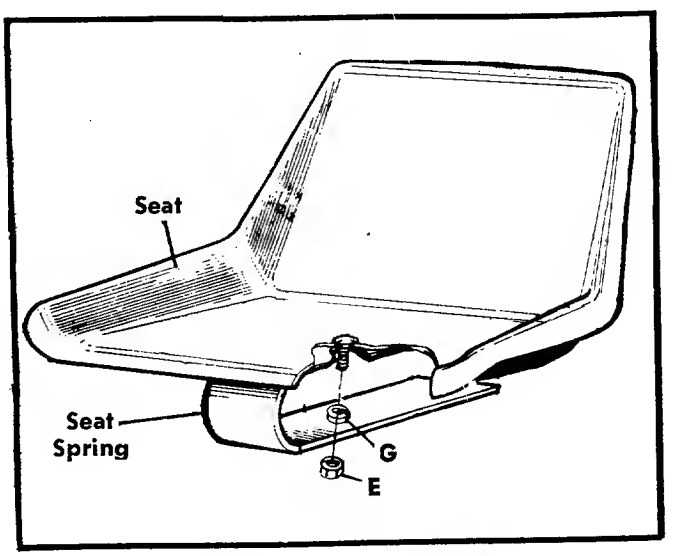

FIGURE 6. SEAT ASSEMBLY

TIRE PRESSURE

For shipping purposes, the tires on your unit may be over-inflated. Tire pressure should be reduced before unit is put into operation. Pressure should not exceed 15 P.S.I. Equal tire pressure should be maintained.

CONTROLS

The controls on your mower may be considered as the Throttle Control, Recoil Starter Handle, Ignition Key, Blade Engagement Lever, Brake Pedal, Clutch Pedal and the Gear Shift Lever.

A. Throttle Control actuates the butterfly in the carburetor and may be set at CHOKE, FAST or SLOW. See figure 7.

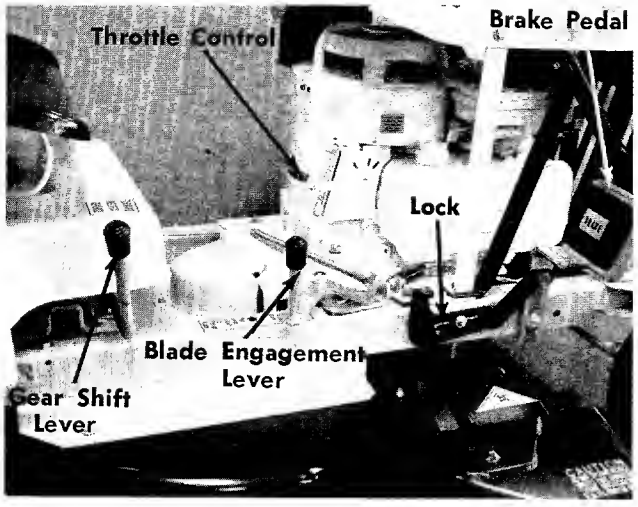

FIGURE 7. RIGHT SIDE OF MOWER

B. The Recoil Starter Handle is located on the left hand side of the hood. To operate the recoil starter handle, twist it until it is in the horizontal position and pull to start the engine. After the engine starts, return the Recoil Starter Handle to the mounting bracket and turn it to the vertical position as shown in figure 8.

NOTE

The clutch must be disengaged, the blade must be disengaged and the ignition key must be on before the engine will start.

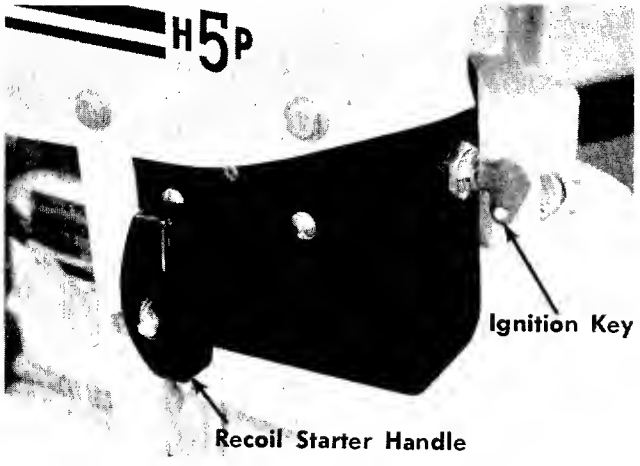

FIGURE 8. RECOIL STARTER HANDLE

C. The Ignition Key must be turned to the right to the ON position before the Recoil Starter Handle is pulled to start the engine. Turn the Ignition Key to the left to the OFF position to stop the engine. See figures 8 and 9.

D. The Blade Engagement Lever engages and disengages the blade. Pull the Blade Engagement Lever back to stop the blade. Move the Blade Engagement Lever forward to engage the blade. See figure 7.

NOTE

Engage the Blade Engagement Lever slowly.

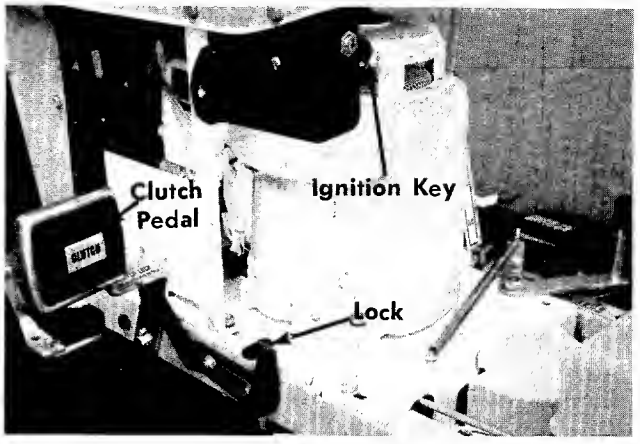

FIGURE 9. LEFT SIDE OF MOWER

E. The Gear Shift Lever is used to select either forward or reverse. See figure 7.

NOTE

Do not shift gears while in motion.

F. The Clutch Pedal is operated with your left foot. The Clutch Pedal, when depressed, disengages the engine from the transmission so you can stop the movement of the rider mower to shift gears. The Clutch Pedal can be locked in the DISENGAGED position by depressing the Clutch Pedal and lifting the clutch lock with your left hand. To release the Clutch Pedal, depress it with your foot. See figure 9.

G. The Brake Pedal is operated with your right foot and is used to stop the forward or reverse motion of the rider. To engage the brake, depress the Brake Pedal with your right foot. To set the parking brake, depress the brake and lift the lock. To release, depress the brake pedal. See figure 7.

CAUTION

Parking brake **must** be disengaged before unit is put into motion.

NOTE

Unit is equipped with separate brake and clutch pedals. To efficiently stop, it is necessary to disengage clutch when applying brakes.

H. The height adjustment for the cutting blade is made, by removing the front axle bolts and moving the front wheels to one of the four cutting positions. See figure 10.

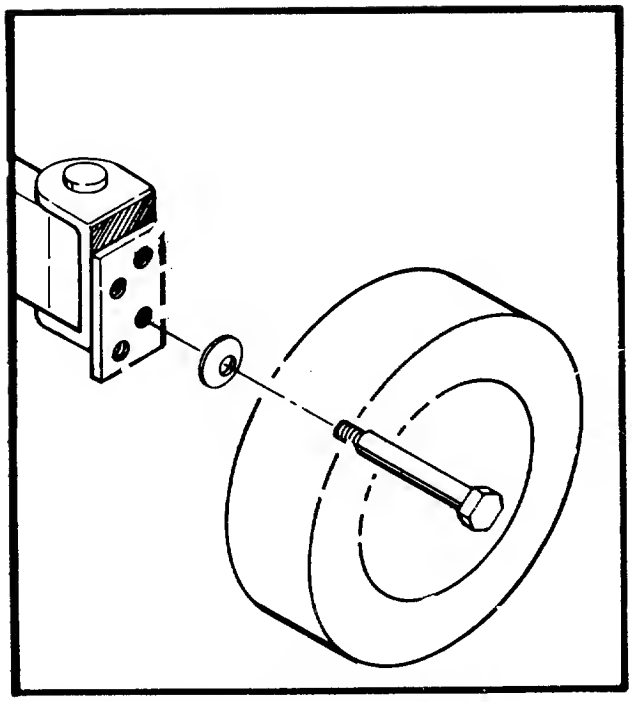

FIGURE 10. FRONT WHEEL ADJUSTMENT

The height adjustment on the rear wheels is made by removing the bolt on the height adjustment on each side of the rear axle and selecting one of the four positions. See figure 11.

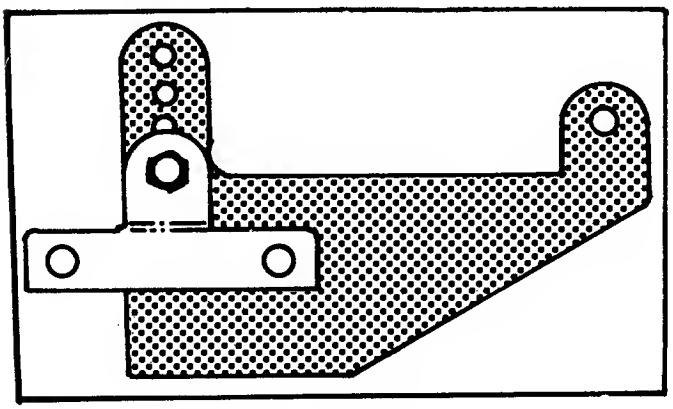

FIGURE 11. REAR WHEEL ADJUSTMENT

CAUTION

1. Keep all shields and guards in place.
2. Before leaving operator's position:
   - Shift transmission to neutral
   - Set the parking brake
   - Disengage the blade engagement lever
   - Shut off the engine
   - Remove the ignition key
3. Wait for all movement to stop before servicing machine.
4. Keep people and pets a safe distance away from machine.

MAINTENANCE

CRANKCASE OIL

WARNING

Remove the spark plug lead before performing any maintenance on the machine.

a. Oil Check

Check the oil level in the crankcase before each use of the machine and after every two hours of operation. Keep the oil level to the overflowing point. See figure 12.

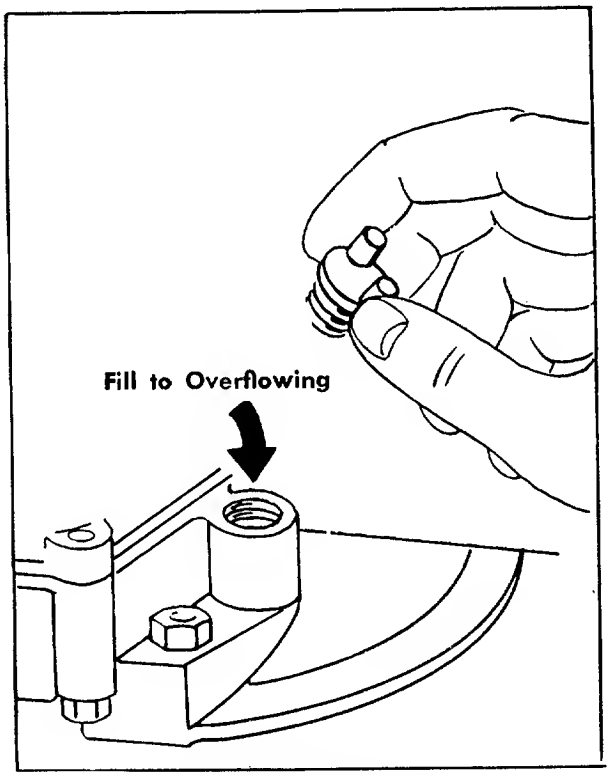

FIGURE 12. OIL FILL

b. Oil Change

After the first two hours of operating a new engine, drain the oil from the crankcase while the engine is still hot and refill the crankcase with new oil; thereafter, change the oil after every 25 hours of operation. This procedure ensures for minimum wear of engine parts and provides for virtually trouble-free operation. To change the oil, proceed as follows:

Step 1. With the machine on level ground, place a suitable metal container under the oil drain plug located on the front of the engine. See figure 13.

Step 2. After the oil has been drained completely from the crankcase, replace the drain plug and tighten.

Step 3. With the machine on level ground, remove the oil filler plug. See figure 12. Fill the crankcase until the oil overflows from the oil fill hole. Fill slowly to avoid air locks. The crankcase holds approximately 1¾ pints of good quality SAE 30 type MS engine oil. Replace the oil filler plug.

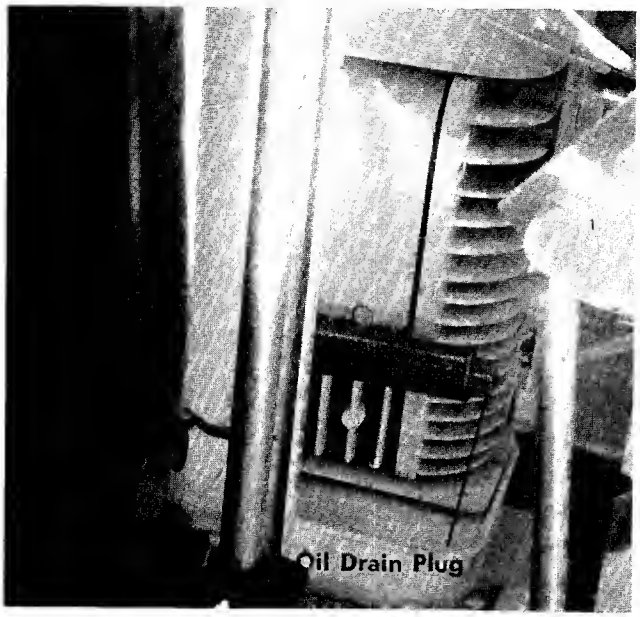

FIGURE 13. OIL DRAIN

a. **Steering Gears.** Lubricate with multi-purpose automotive type grease once a season.

b. **Front Wheel Bearings.** Remove the front axle bolts and coat the axle with a multi-purpose automotive type grease and reassemble once a season. See figure 14.

c. **King Pins.** Lubricate the king pins after every 25 hours of operation with SAE 30 oil. Wipe up excessive oil with a rag. See figure 14.

d. **Rear Axle Bearings.** Lubricate the rear axle bearings after every 25 hours of operation with SAE 30 oil. Wipe up excessive oil with a rag. See figure 15.

e. **Chain.** Remove the chain once each season, clean in kerosene, dry and lubricate with a rag saturated in SAE 30 oil. See figure 15.

f. **Transmission.** The transmission has been lubricated at the factory and does not need to be checked.

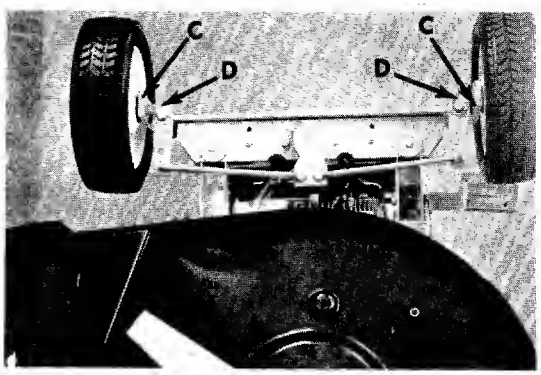

FIGURE 14. LUBRICATION

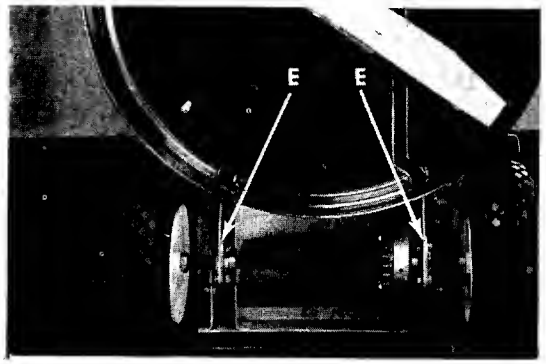

FIGURE 15. LUBRICATION

BRAKE ADJUSTMENT

The brake adjustment is made by tightening the hex nut on the brake band to compensate for wear. Turn the hex nut one half turn and test the brakes. Repeat until the brake is adjusted. See figure 16.

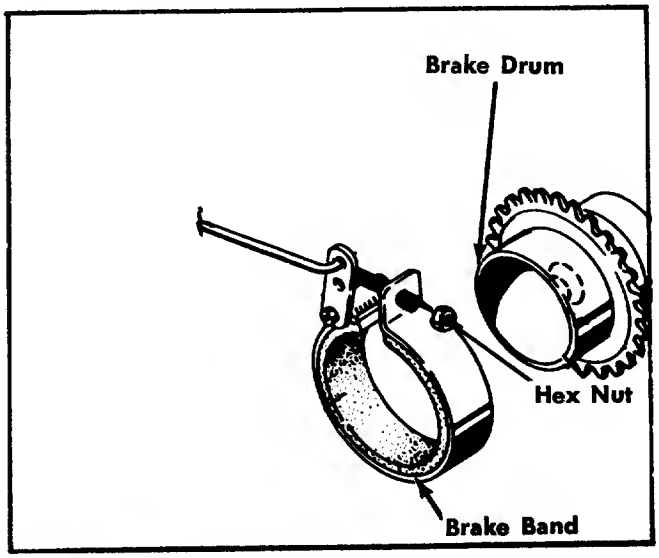

FIGURE 16. BRAKE ASSEMBLY

BELT REPLACEMENT

NOTE

If there is gasoline in the gasoline tank, place a piece of thin plastic under the gas cap and tighten the gas cap securely.

TRANSMISSION BELT REPLACEMENT

Step 1. Lift the front end of the rider up so it rests on the rear wheels and seat. Block the mower under the steering wheel to help support the mower.

WARNING

Disconnect the spark plug wire and ground it against the engine block.

Step 2. Remove the blade by removing the hex head cap screw in the center of the blade. Hold the blade with one hand and using a ½" open end, box or adjustable wrench, remove the bolt. See figure 17.

NOTE

Wrap a rag around the blade to protect your hand.

Step 3. Take off the deck by removing the six hex nuts and lockwashers as shown in figure 18.

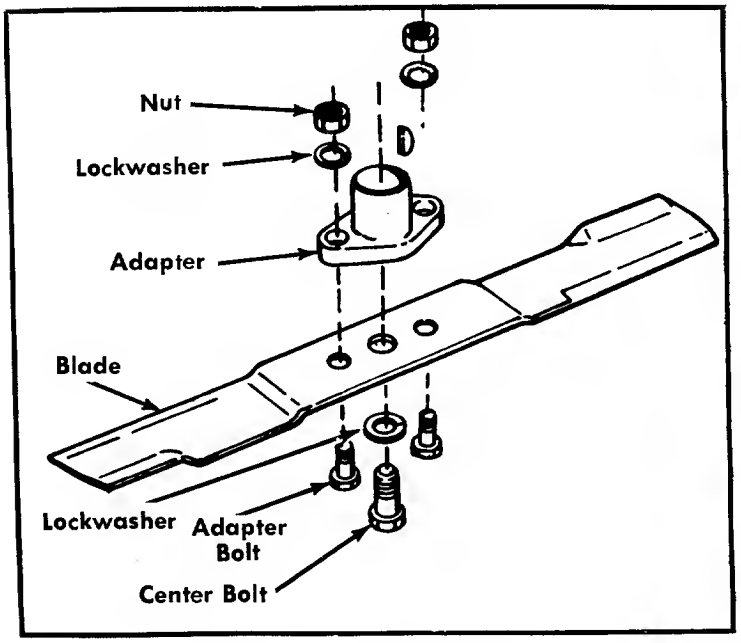

FIGURE 17. BLADE REMOVAL

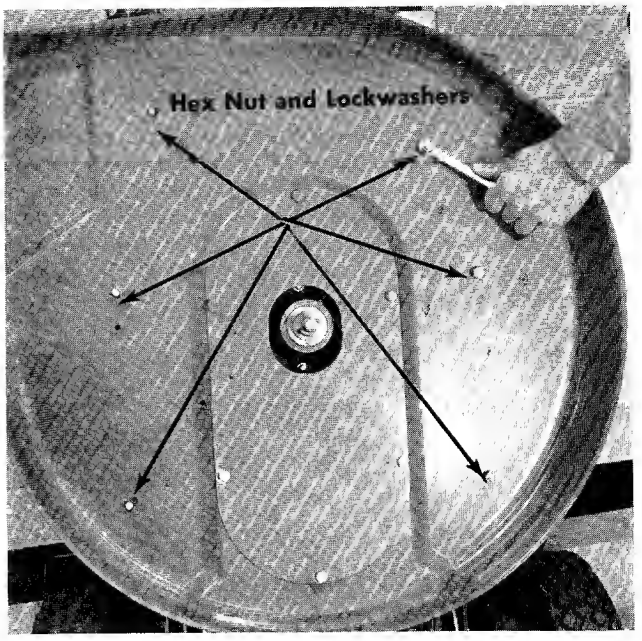

FIGURE 18. REMOVING THE DECK

Step 4. Remove the transmission belt from the engine pulley. It may be necessary to spring the belt guard out of the way. When installing the new belt be sure to put the belt guard back in the original position. See figure 19.

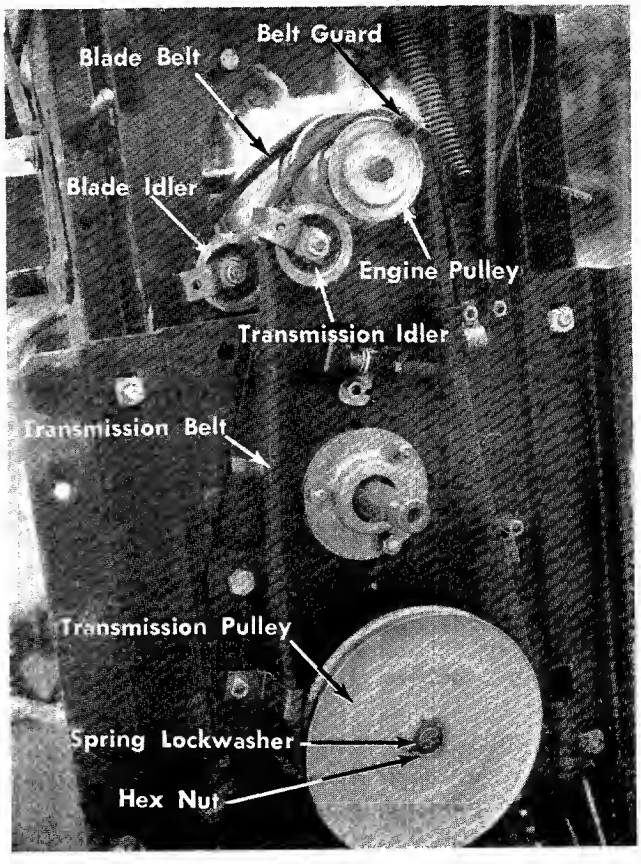

FIGURE 19. BELT SYSTEM

Step 5. Remove the belt from the transmission idler. See figure 20.

Step 6. Remove hex nut and spring lockwasher on the transmission pulley and slide the pulley out until the belt can be removed. See figure 19.

Step 7. Replace belt and reassemble.

BLADE BELT REPLACEMENT

Step 1. Lift the front end of the rider up so it rests on the rear wheels and seat. Block the mower under the steering wheel to help support the mower.

Step 2. Remove the blade by removing the hex head cap screw in the center of the blade. Hold the blade with one hand and using a ½" open end, box or adjustable wrench, remove the nut. See figure 17.

NOTE

Wrap a rag around the blade to protect your hand.

Step 3. Take off the deck by removing the six hex nuts and lockwashers as shown in figure 18.

Step 4. Remove the transmission belt from the engine pulley. See figure 19.

Step 5. Place the blade engagement lever in the engaged position (See figure 20.) and loosen the center locknut on the blade idler. See figure 21.

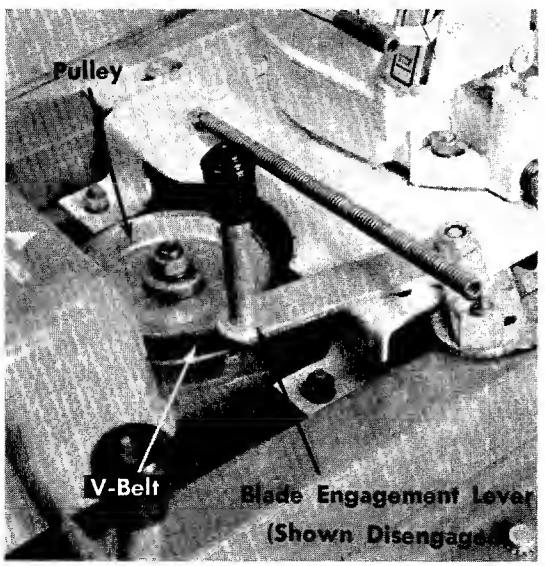

FIGURE 20 BLADE ENGAGEMENT LEVER

NOTE

It may be necessary to spring the belt guard out of the way. When installing the new belt be sure to put the belt guard back in the original position. See figure 19.

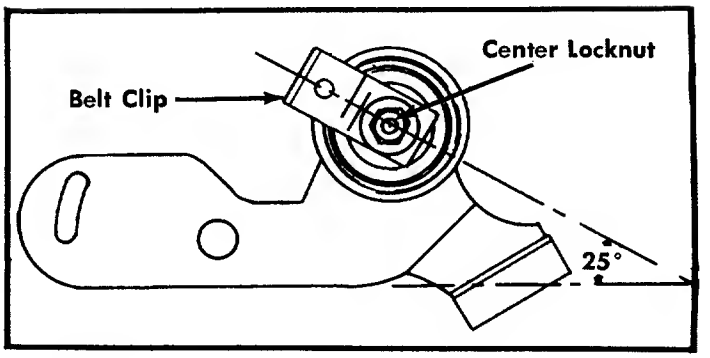

FIGURE 21. BELT IDLER

NOTE

Use a ½" open end wrench. When installing the new belt be sure the belt clip is in the same position as shown in figure 21.

Step 6. With the blade engagement lever in the disengaged position, remove the blade belt from the engine pulley. See note under Step 4.

Step 7. Remove the belt guard on the blade spindle pulley. Unhook the belt from the pulley.

Step 8. Pull the belt through from the bottom side. Move the blade engagement lever between the engaged position and the disengaged position as you remove the belt.

Step 9. Install the new belt and reassemble.

BELT TROUBLE SHOOTING

CREEPING OR BELT WEAR. See figure 19.

The position of the belt clip on the idler bracket assembly is important for proper operation of your mower. Improper position of the belt clip can cause damage to the belt or it can allow the mower to "creep" when the clutch pedal is not depressed. Proper positioning will not allow the belt clip to touch the belt when the belt is tightened. It also "traps" the belt away from the engine pulley when the belt is loose. The drawing at left shows the correct position for the belt clip. Adjustment is made by loosening the hex nut, adjusting belt clip to position shown and retightening hex nut securely.

BELT WEAR—Pulleys

For proper belt wear, all pulleys, including the idler pulley, must be on the same plane. Improper alignment will cause rapid belt wear.

DRIVE PULLEYS. See figure 19.

Alignment may be made by removing the deck. Check alignment with a straight edge. The transmission pulley is held in place with a hex nut and lock washer. It should not need adjustment. The engine pulley is held in position by a hex head bolt and washers. The idler bracket assembly is held in position by a shoulder bolt. If realignment is needed, it is necessary to bend bracket up or down as alignment requires. Care must be taken not to damage the belt clip.

BLADE PULLEYS

Raise front of mower approximately a foot off the ground and support it with blocks, sight down blade belt from front of mower. Note if blade idler pulley is in line with blade spindle pulley and top section of engine pulley. If alignment is necessary, bend idler bracket assembly up or down as needed. Do not damage or bend belt clip on idler bracket assembly.

BELT WEAR—Belt Guards and Clips. See figure 19.

Belt guards and clips if improperly positioned will cause premature belt wear. All belt guards and clips must completely clear the belt when the belt is tightened. They should also assist in freeing the belt from the engine pulley when the belt is loose. The belt clip on the blade idler bracket assembly may be checked by removing the top belt guard. Observe belt and pulley action while operating the blade disengage lever. The belt clip on the drive idler bracket assembly may be checked by removing the inspection plate under the deck. Observe belt and pulley action while operating the clutch pedal.

CREEPING. See figure 19.

"Creeping" may be caused if the idler bracket assembly does not move all the way back when the clutch pedal is released. This may be caused by insufficient spring pressure, a bent clutch control rod or a binding idler bracket. Check by removing the inspection plate under deck. Observe idler pulley action while operating the clutch pedal. If idler bracket binds, lubricate with an all purpose grease.

NOTE: To insure safe operation of your unit, ALL nuts and bolts must be checked periodically for correct tightness.

OFF-SEASON STORAGE

OFF-SEASON STORAGE

If the machine is to be inoperative for a period longer than 30 days, the following precautions are recommended:

Step 1. Working outdoors, run the engine until all the fuel is consumed. Use a clean dry cloth to absorb the small amount of fuel remaining in the tank.

WARNING

Do not drain fuel while smoking or if near an open fire.

Step 2. Drain all the oil from the crankcase (this should be done after the engine has been operated and is still warm) and refill the crankcase with clean new oil.

Step 3. Disconnect the spark plug wire and remove the spark plug from the cylinder. Pour about six drops of engine oil into the cylinder, and then pull the recoil starter several times to spread the oil on the cylinder wall. Replace the spark plug, but DO NOT connect the wire.

Step 4. Clean the engine and the entire mower thoroughly.

Step 5. Lubricate all lubrication points indicated in figure 17; then wipe the entire machine with an oiled rag in order to protect the surfaces.

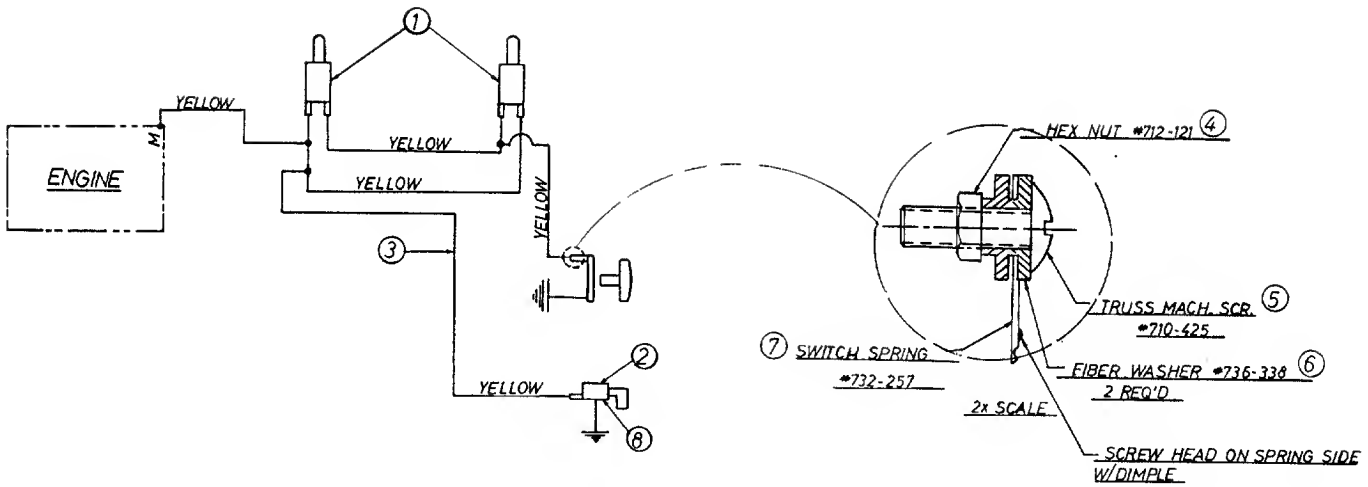

FIGURE 22. RECOIL WIRING

PARTS LIST FOR FIGURE 22

REF. NO.	PART NO.	DESCRIPTION	NEW PART
1	725-0269	Safety Switch—Red (2 Req'd.)	
2	725-0266	Magneto Ignition Switch w/Nut	
3	725-0273	Wire Harness	
4	712-0121	Hex Nut #10-24	
5	710-0425	Truss Mach. Scr. #10-24 x .62	
6	736-0338	Fiber Washer (2 Req'd.)	
7	732-0257	Switch Spring	
8	736-0225	Internal Lockwasher ⅝ I.D.	

Color Code for Model 135-360A is "474" (Citrus).
Color Code "463" (Top Flite Red) is for Model 135-362A only.

135-360A
135-362A

IF YOU WRITE TO US ABOUT THIS ARTICLE OR IF YOU ORDER REPLACEMENT PARTS ALWAYS MENTION THIS MODEL & SERIAL NO

MODEL

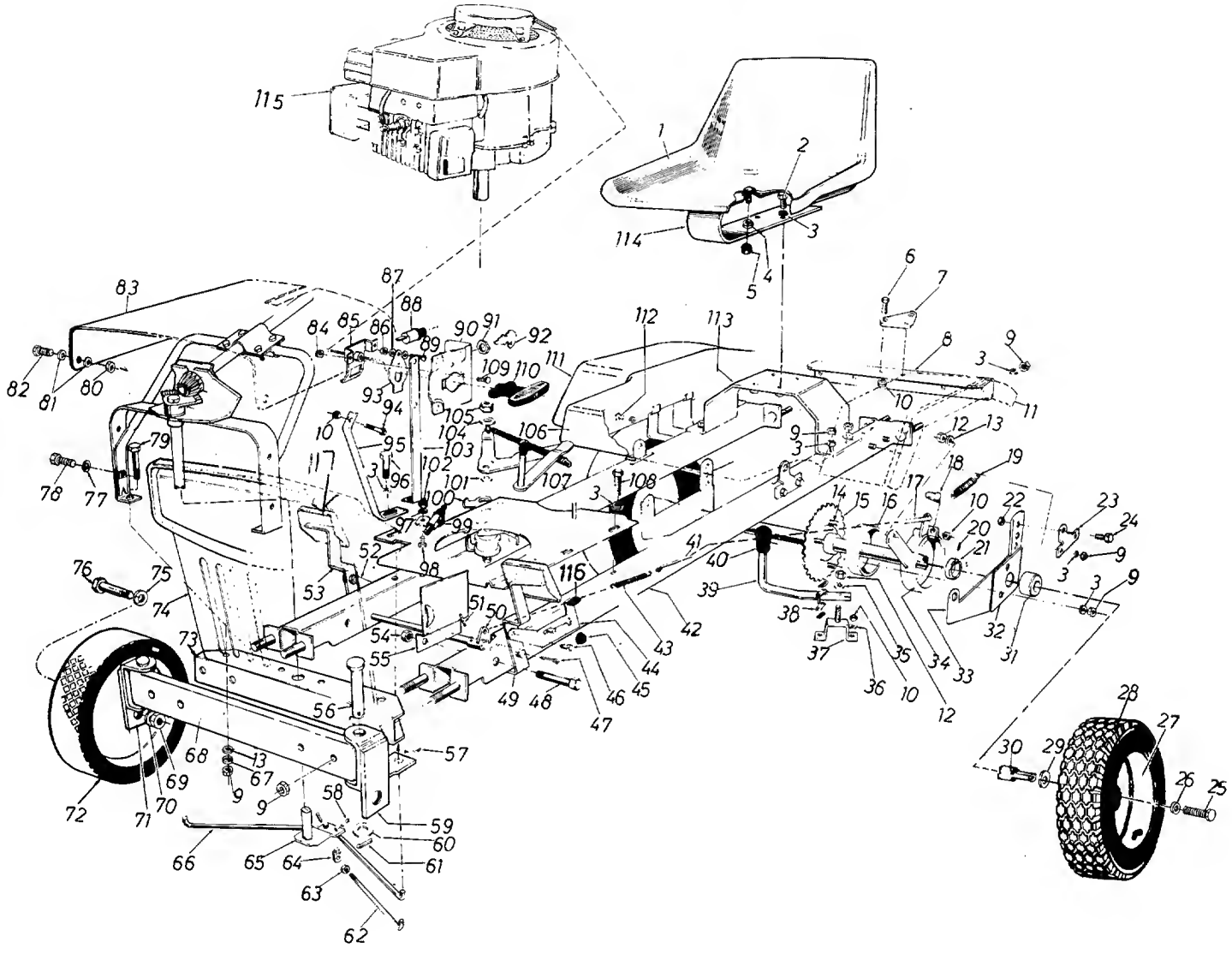

FIGURE 23. EXPLODED VIEW

PARTS LIST FOR FIGURE 23 EXPLODED VIEW MODELS 135-360A AND 135-362A

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	08535		Seat Ass'y.	
2	710-0322		Hex Sems Scr. 5/16-18 x 1.00" Lg.*	
3	736-0119		Spring Lockwasher 5/16" Scr.*	
4	736-0921		Spring Lockwasher ½" Scr.*	
5	712-0206		Hex Nut ½-13 Thd.*	
6	710-0258		Hex Scr. ¼-20 x .62" Lg.*	
7	07804		Trailer Hitch	
8	07800—463		Frame—Rear	
9	712-0267		Hex Nut 5/16-18 Thd.*	
10	712-0107		Hex Center L-Nut ¼-20 Thd.	
11	11593—463		Fender Ass'y.—L.H.	
12	712-0429		Hex Inserted L-Nut 5/16-18 Thd.	
13	736-0264		Fl.-Wash. .344 I.D. x .62 O.D.	
14	710-0198		Hex Scr. 5/.16-18 x .75" Lg.*	
15	717-0273		Rear Axle Ass'y.	
16	09055		Brake Cup	
17	747-0110		Brake Rod	
18	711-0152		Adjustment Link (Brake Band)	
19	732-0118		Ext. Spring (Brake Return)	
20	710-0938		Set Scr. ¼-28 x .25" Lg. (Cup Point)	
21	711-0139		Collar ¾" I.D.	
22	712-0116		Hex Ins. L.-Nut ⅜-24 Thd.	
23	11590		Support Adj. Wheel Hanger	
24	710-0152		Hex Scr. ⅜-24 x 1.00" Lg.*	
25	710-0568		Hex Tap Type "F" Scr. 5/16-18 x .75" Lg.*	
26	736-0242		Belleville Wash. .343 I.D. x .875 O.D.	
27	734-0522		Rear Wheel Ass'y. Comp. 12.2 x 3.7	
	734-0517		Rear Wheel Rim Ass'y. (Includes Hub)	
28	734-0301		Rear Wheel Tire Only 12.2 x 3.7	
29	736-0134		Flat Washer	
30	717-0273		Rear Axle Ass'y.	
31	748-0391		Spherical Bearing .753 I.D.	
32	07792		Bearing Plate	
33	07794		Wheel Adjustment Hanger	
34	08551		Brake Band Ass'y.—Comp	
35	736-0300		Fl.-Wash. .385 I.D. x .87 O.D	
36	736-0329		Spring Lockwasher ¼" Scr.	
37	07364		Shift Lever Brkt. Ass'y.	
38	713-0723		#41 Master Link ½" Pitch Type II	
39	08720		Transmission Shift Lever	
40	07343		Cap (For Shift Lever)	
41	747-0110		Brake Rod	
42	11581—463		Side Channel Ass'y.—L.H.	
43	732-0260		Brake Tension Spring	
44	11563—463		Clutch Lever—L.H.	
45	726-0121		Push Cap ¼" Dia.—Black	
46	738-0140		Shoulder Scr. .437 Dia. x .180	
47	714-0507		Cotter Pin 3/32" Dia. x .75" Lg.*	
48	710-0427		Hex Scr. ⅜-16 x 2.00" Lg.*	
49	11556		Clutch Pedal Ass'y.	
50	11558		Brake Lever Brkt. Ass'y.	
51	715-0249		Spring Pin Spirol 5/32" Dia. x 1.12" Lg.	
52	11564		Brake Lever—R.H.	
53	11553		Brake Pedal Axle Ass'y.	
54	712-0130		Hex Ins. L.-Nut ⅜-16 Thd.	
55	08164		Heat Shield	
56	711-0577		Clevis Pin ⅝" Dia. x 3.06" Lg.	
57	714-0115		Cotter Pin ⅛" Dia. x 1.00" Lg.*	
58	714-0115		Cotter Pin ⅛" Dia. x 1.00" Lg.*	
59	09335—463		Wheel Brkt. Ass'y.—L.H.	
60	736-0116		Fl.-Wash. .635 I.D. x .93 O.D.	
61	714-0115		Cotter Pin ⅛" Dia. x 1.00" Lg.*	
62	711-0197		Tie Rod	
63	712-0711		Hex Jam Nut ⅜-24 Thd.	
64	711-0198		Pivot Bushing (Tie Rod End)	
65	08712		Steering Post Ass'y.	
66	711-0197		Tie Rod	
67	07386		Fl.-Wash. .390 I.D. x 1.75" O.D.	
68	07865—463		Support Bar Ass'y.—Front Wheel	
69	712-0137		L.-Nut 7/16-20 Thd.	
70	736-0156		Fl.-Wash. .635" I.D. x 1.20" O.D. x .090	
71	09336—463		Wheel Brkt. Ass'y.—R.H.	
72	734-0510		Front Wheel Ass'y. Comp.	
73	08487—463		Front Channel Ass'y.	
74	08718—463		Grille	
75	736-0116		Fl.-Wash. .635 I.D. x .93 O.D.	
76	738-0186		Shoulder Scr. .625" Dia. x 2.75" Lg. (Front Axle)	
77	736-0142		Fl.-Wash. .281 I.D. x .50 O.D.	
78	710-0179		Hex F-Tapp Scr. ¼-20 x .50" Lg.*	
79	710-0190		Hex Scr. 5/16-18 x 4.00" Lg.*	
80	712-0287		Hex Nut ¼-20 Thd.*	
81	736-0329		Spring L.-Wash. ¼" Scr.*	
82	710-0258		Hex Scr. ¼-20 x .62" Lg.*	
83	10811—463		Front Top Hood	
84	712-0147		Speed Nut #10-24 U-Type	
85	11053		Switch Brkt. Ass'y.	
86	712-0121		Hex Nut #10-24 Thd.*	
87	736-0338		Fiber Washer	
88	725-0266		Ignition Switch	
89	710-0425		Truss Hd. Mach. Scr. #10-24 x .62"	
90	11561		Starter Brkt.	
91	736-0225		Internal L.-Wash. ⅝" I.D.	
92	725-0128		Ignition Key	
93	732-0257		Switch Spring	
94	710-0606		Hex Scr. ¼-20 x 1.50" Lg.*	
95	08715		Steering Frame Support	
96	710-0176		Hex Scr. 5/16-18 x 2.75" Lg.	
97	736-0329		Spring L.-Wash. ¼" Scr.	
98	710-0258		Hex Scr. ¼-20 x .62" Lg.*	
99	725-0269		Safety Switch	
100	11588		Blade Idler Brkt. Ass'y.	
101	736-0300		Fl. Washer .385 I.D. x .87 O.D.	
102	712-0287		Hex Nut ¼-20 Thd.*	
103	08865		Hood Support Bracket	
104	736-0300		Fl. Washer .385 I.D. x .87 O.D.	
105	712-0130		Hex Ins. Locknut ⅜-16 Thd.	
106	10221—463		Rear Cover Ass'y.	
107	11582—463		Side Channel Ass'y.—R.H.	
108	710-0176		Hex Scr. 5/16-18 x 2.75" Lg.	
109	710-0351		Truss Hd. Mach. Scr. B-Tapp #10 x .50" Lg.	
110	11263		Plastic Handle (Starter Rope)	
111	11594—463		Fender Ass'y.—R.H.	
112	710-0128		Hex F-Tapp Scr. #10-32 Thd.	
113	08536		Seat Support Ass'y.	
114	732-0255		Seat Spring	
115	—		Engine	
116	11249		Knob	

*For faster service obtain standard nuts and bolts locally. If these items cannot be obtained locally, order by part number and size as shown on the parts list.

117 08109 PIVOT LEVER

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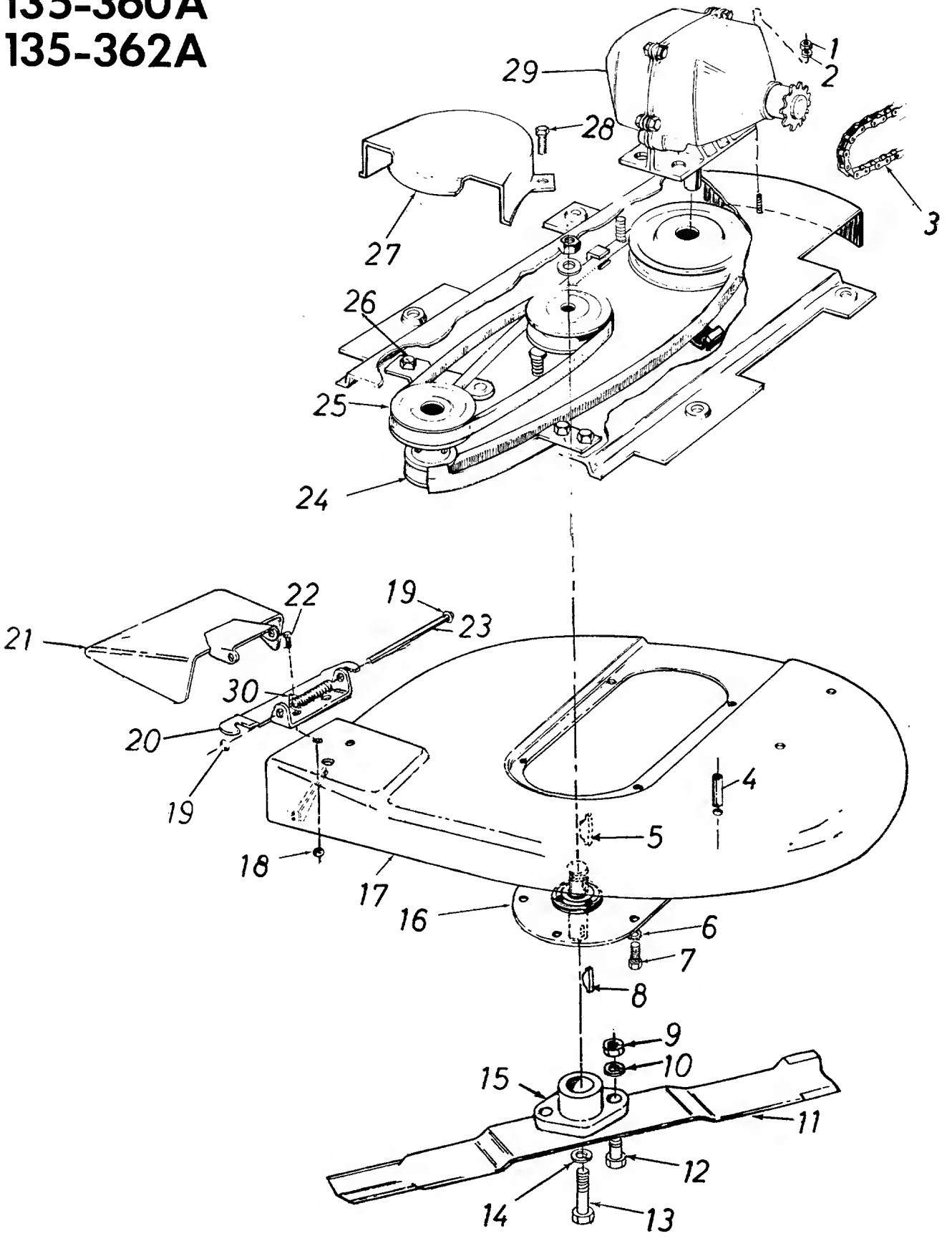

FIGURE 24. CUTTING DECK

PARTS LIST FOR FIGURE 24 CUTTING DECK 135-360A AND 135-362A

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	712-0267		Hex Nut 5/16-18 Thd.*	
2	736-0119		Spring L-Washer 5/16" Scr.*	
3	713-0357		#41 Chain ½" Pitch x 67 Links	
4	07956		Spacer (Between Deck & Frame)	
5	714-0365		#6 Hi-Pro-Key 5/32 x ⅝" Dia.	
6	736-0607		External L-Washer 5/16" Scr.*	
7	710-0107		Hex Scr. 5/16-24 x .50" Lg.*	
8	714-0365		#6 Hi-Pro-Key 5/32 x ⅝" Dia.	
9	712-0123		Hex Nut 5/16-24 Thd.*	
10	736-0119		Spring L-Washer 5/16" Scr.*	
11	742-0132		Blade	
12	710-0117		Hex Scr. 5/16-24 x 1.00" Lg.—H.T.	
13	710-0459		Hex Scr. ⅜-24 x 1.50" Lg.—H.T.	
14	736-0217		Spring Lockwasher ⅜" Scr.—H.D.	
15	10769		Blade Adapter Kit	
16	09387		Inspection Plate	
17	11595	—463	Deck Ass'y.—Comp.	
18	712-0107		Hex Center L-Nut ¼-20 Thd.	
19	726-0106		Push Nut ¼" Rod	
20	11399	—463	Adapter Plate Ass'y.	
21	11633	—463	Chute Deflector Ass'y.—Comp.	
22	710-0230		Hex Scr. ¼-28 x .50" Lg.*	
23	711-0571		Pivot Pin	
24	754-0936		"V"-Belt ½" x 47" Lg.	
25	756-0181		Two-Step Engine Pulley	
26	712-0130		Hex Inserted L-Nut ⅜-16 Thd.	
27	07397	—463	Belt Cover	
28	710-0128		Hex F-Tapp. Scr. #10-32 x .50" Lg.*	
29	717-0223		Transmission Ass'y.—Comp.	
30	732-0261		Torsion Spring	

***For faster service obtain standard nuts and bolts locally. If these items cannot be obtained locally, order by part number and size as shown on the parts list.**

Color Code "463" (Top Flite Red) is for Model 135-362A only.
Color Code for Model 135-360A is "474" (Citrus).

The engine is not under warranty by the mower manufacturer. If repairs or service is needed on the engine, please contact your nearest authorized engine service outlet. Check the "Yellow Pages" of your telephone book under "Engines—Gasoline."

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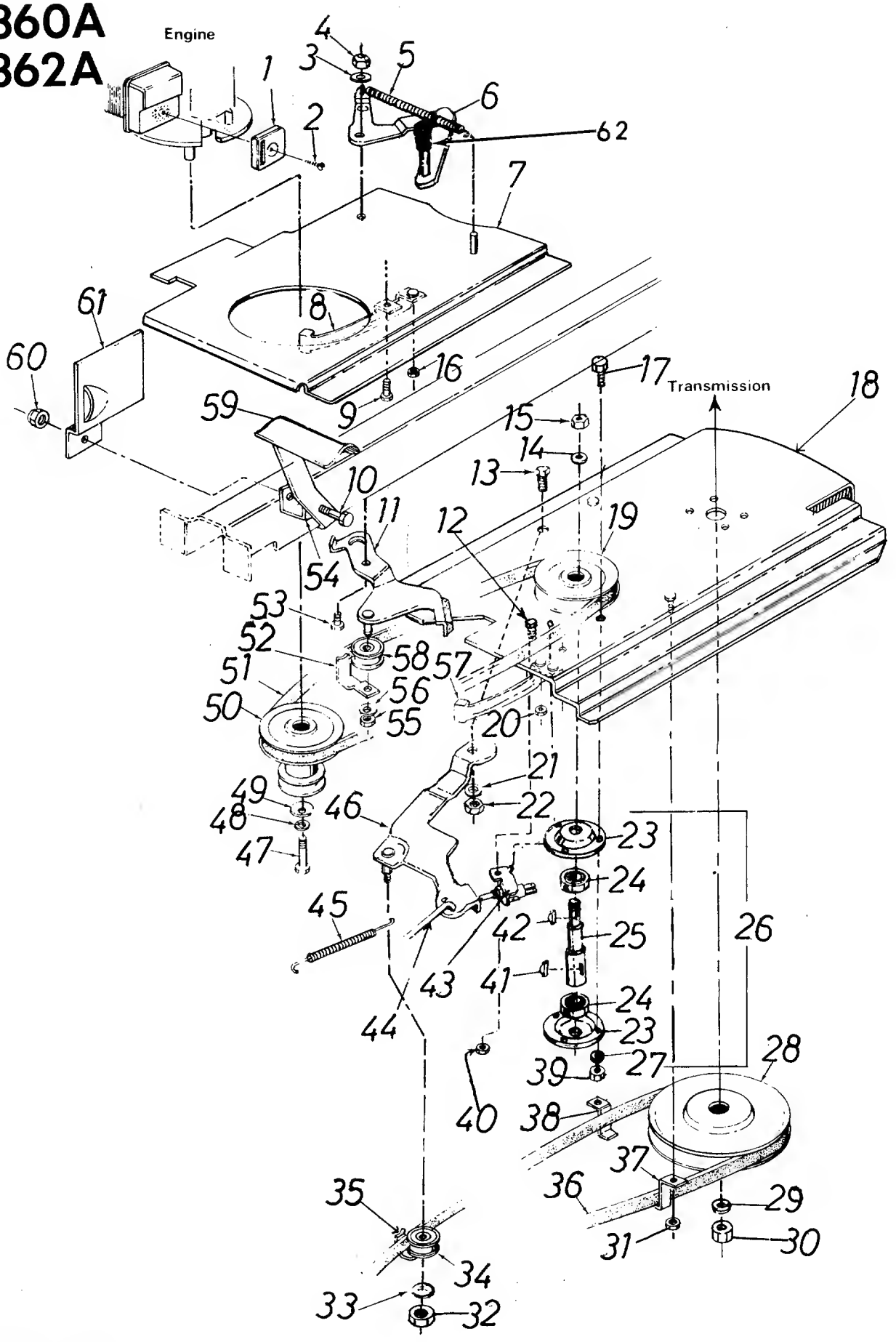

FIGURE 25. BELT SYSTEM

PARTS LIST FOR FIGURE 25 BELT SYSTEM 135-360A AND 135-362A

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	09296		Exhaust Deflector	
2	69338		Screw	
3	736-0300		Fl. Wash. .385 I.D. x .87 O.D.	
4	712-0130		Hex Ins. Locknut 3/8-16 Thd.	
5	732-0158		Blade Tension Spring	
6	07898		Blade Tension Brkt. Ass'y.	
7	11584		Engine Mtg. Plate Ass'y.	
8	07401-1		Belt Guard	
9	710-0258		Hex Hd. Cap Scr. 1/4-20 x .62" Lg.*	
10	710-0427		Hex Hd. Cap Scr. 3/8-16 x 2.00" Lg.*	
11	11588		Blade Idler Brkt. Ass'y.	
12	710-0258		Hex Hd. Cap Scr. 1/4-20 x .62" Lg.*	
13	738-0140		Shoulder Scr. .437" Dia. x .180	
14	736-0921		Spring Lockwasher 1/2" Scr.*	
15	712-0200		Hex Ins. Locknut 1/2-20 Thd.	
16	712-0287		Hex Nut 1/4-20 Thd.*	
17	710-0322		Hex Sems Scr. 5/16-18 x 1.00" Lg.*	
18	11586		Blade Mtg. Plate Ass'y.	
19	09925		Pulley 4" Dia. (For Blade Spindle)	
20	712-0287		Hex Nut 1/4-20 Thd.*	
21	736-0300		Fl. Wash. .406 I.D. x .734 O.D.	
22	712-0158		Hex Center Locknut 5/16-18 Thd.	
23	08253		Bearing Housing	
24	741-0919		Ball Bearing	
25	738-0188		Blade Spindle	
26	741-0168		Blade Spindle Ass'y. Comp.	
27	736-0119		Spring Lockwasher 5/16" Scr.*	
28	756-0175		Pulley 7" Dia. x 1/2" I.D. (Transmission)	
29	736-0921		Spring Lockwasher 1/2" Scr.*	
30	712-0200		Hex Jam Nut 1/2-20 Thd.*	
31	712-0123		Hex Nut 5/16-24 Thd.*	
32	712-0116		Hex Ins. Locknut 3/8-24 Thd.	
33	736-0160		Flat Washer	
34	756-0370		Idler Bearing Ass'y.	
35	07353		Belt Clip	
36	754-0936		"V"-Belt 1/2" x 47" Lg.	
37	07437		Belt Clip	
38	07437		Belt Clip	
39	712-0267		Hex Nut 5/16-18 Thd.*	
40	712-0287		Hex Nut 1/4-20 Thd.*	
41	714-0365		#6 Hi-Pro Key 5/32 x 5/8" Dia.	
42	714-0365		#6 Hi-Pro Key 5/32 x 5/8" Dia.	
43	725-0269		Safety Switch	
44	11562		Transmission Link	
45	732-0121		Idler Extension Spring	
46	11551		Transmission Idler Brkt. Ass'y.	
47	710-0152		Hex Hd. Cap Scr. 3/8-24 x 1.00" Lg.*	
48	736-0217		Spring Lockwasher 3/8" Scr. H.D.	
49	736-0219		Belleville Washer .400 I.D. x 1.120 O.D.	
50	756-0181		Two Step Engine Pulley	
51	754-0107		"V" Belt 1/2" x 30" Lg.	
52	07353		Belt Clip	
53	738-0143		Shoulder Scr. .498 Dia. x .340	
54	07787		Spacer Bracket	
55	712-0216		Hex Inserted Locknut 3/8-24 Thd.	
56	736-0160		Flat Washer	
57	07400-1		Belt Guard	
58	756-0370		Idler Bearing Ass'y.	
59	11556		Clutch Pedal Ass'y.	
60	712-0130		Hex Inserted Locknut 3/8-16 Thd.	
61	08164		Heat Shield	
62	07343		Cap (For Blade Lever)	

*For faster service obtain standard nuts and bolts locally. If these items cannot be obtained locally, order by part number and size as shown on the parts list.

Color Code "463" (Top Flite Red) is for Model 135-362A only.
Color Code for Model 135-360A is "474" (Citrus).

The engine is not under warranty by the mower manufacturer. If repairs or service is needed on the engine, please contact your nearest authorized engine service outlet. Check the "Yellow Pages" of your telephone book under "Engines—Gasoline."

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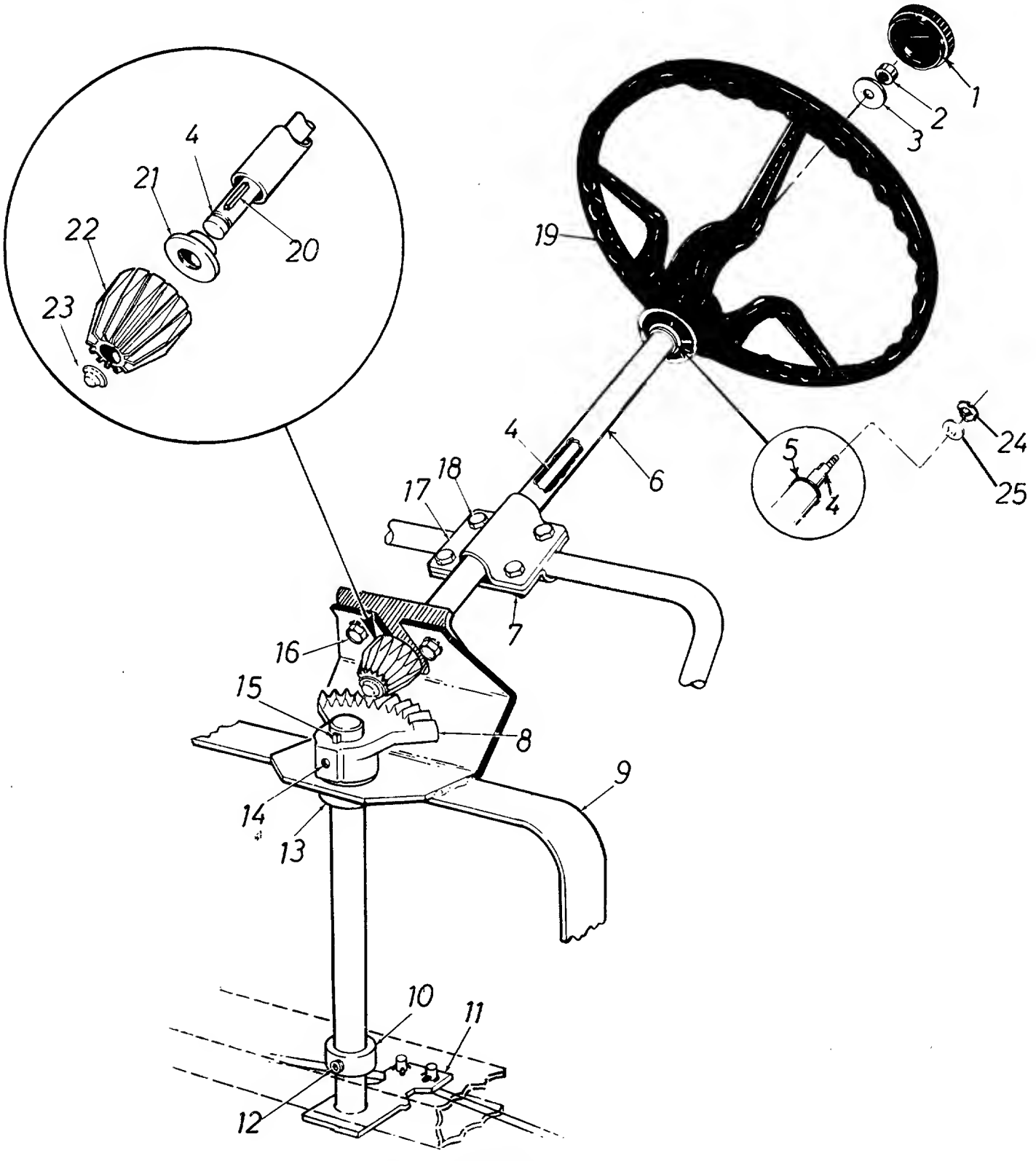

FIGURE 26. STEERING ASSEMBLY

PARTS LIST FOR FIGURE 26 STEERING ASSEMBLY

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	731-0220		Steering Wheel Cap	
2	712-0158		Hex Center Locknut 5/16-18 Thd.*	
3	736-0242		Belleville Washer .343 I.D. x .875 O.D.	
4	738-0198		Steering Column Rod	
5	748-0184		Flange Bearing—.628 I.D. x 1.120 O.D.	
6	11774		Steering Tube Ass'y.	N
7	712-0107		Hex Center Locknut ¼-20 Thd.	
8	748-0137		Gear Segment	
9	08704		Steering Frame Ass'y.	
10	711-0139		Collar ¾" I.D.	
11	08712		Steering Post Ass'y.	
12	710-0938		Set Scr. ¼-28 x .25" Lg.—Cup Point	
13	748-0138		Flange Bearing	
14	710-0938		Set Scr. ¼-28 x .25" Lg. (Cup Point)	
15	714-0388		#61 Hi-Pro-Key 3/16 x ⅝" Dia.	
16	710-0198		Hex Sems Scr. 5/16-18 x .75" Lg.*	
17	08714		Tube Clamp	
18	710-0258		Hex Hd. Cap Scr. ¼-20 x .62" Lg.*	
19	731-0219		Steering Wheel	
20	714-0129		#4 Hi-Pro-Key 3/32 x ⅝" Dia. —Hardened	
21	748-0108		Flange Bearing ½" Bore Bronze	
22	748-0866		Pinion Gear	
23	726-0221		Push Cap—.500 Dia. Shaft	
24	736-0174		Wave Washer—.660 I.D. x .88 O.D. x .010	
25	736-0156		Flat Washer	

*For faster service obtain standard nuts and bolts locally. If these items cannot be obtained locally, order by part number and size as shown on the parts list.

Color Code "463" (Top Flite Red) is for Model 135-362A only.
Color Code for Model 135-360A is "474" (Citrus).

WHEEL CHART

Front Wheel		Rear Wheel	
Part No.	Description	Part No.	Description
734-0510	Wheel Ass'y. Comp. 10.25 x 3.25	734-0522	Wheel Ass'y. Comp. 12.2 x 3.7
748-0146	Flange Bearing w/Flats .630" I.D.	734-0517	Rim Ass'y. w/Hub
		734-0301	Tire Only Tubeless 12.2 x 3.7
		734-0255	Air Valve
		734-0336	Inner Tube (Service Only)

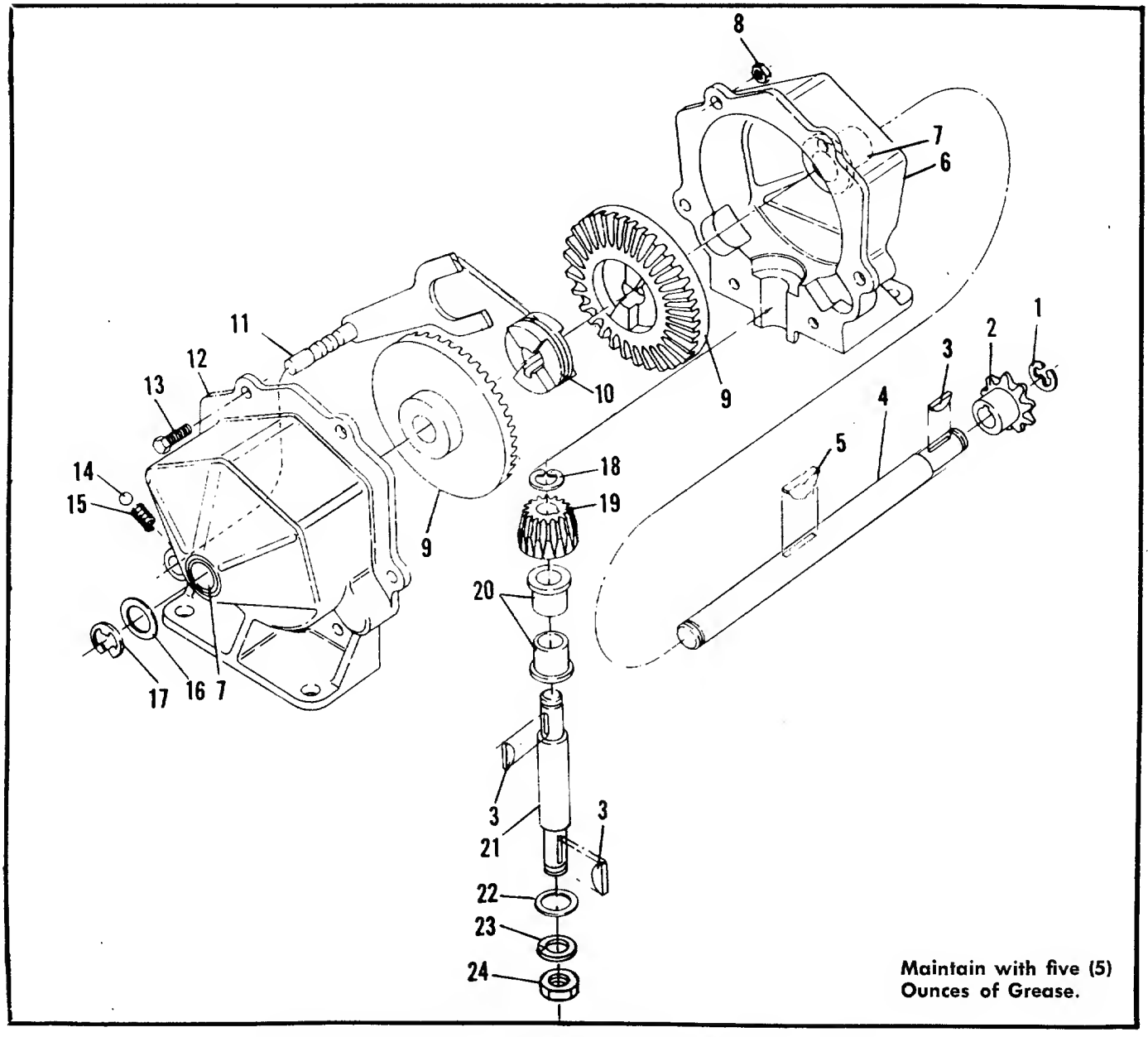

FIGURE 27. SINGLE SPEED TRANSMISSION PART NO. 717-0223

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	716-0104		Snap Ring	
2	748-0852		Sprocket 8T #41	
3	714-0129		Key Hi-Pro #4	
4	711-0854		Shaft Output	
5	714-0126		Key Hi-Pro #606 (Hardened)	
6	717-0123		Housing Half	
7	748-0855		Bearing	
8	712-0117		Locknut ¼-28 Thd.*	
9	748-0856		Bevel Gear	
10	748-0857		Clutch Collar	
11	08583		Detent Shaft Ass'y.	
12	717-0124		Housing Half with Detent Hole	

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
13	710-0195		Hex Hd. Cap Scr. ¼-28 x .62*	
14	741-0862		Detent Ball	
15	732-0863		Detent Spring	
16	736-0116		Washer	
17	716-0106		E-ring	
18	716-0865		Snap Ring #3100-50	
19	748-0866		Bevel Pinion	
20	748-0867		Bearing	
21	738-0159		Pinion Shaft	
22	736-0192		Washer	
23	736-0921		Lockwasher ½"*	
24	712-0922		Hex Jam Nut ½-20 Thd.*	
25	737-0120		Grease—High Temp. 450°F.	N

***For faster service, obtain standard nuts, bolts and washers locally. If these items cannot be obtained locally, order by part number and size, as shown on parts list.**

TROUBLE SHOOTING CHART

CAUTION: ALWAYS DISCONNECT SPARK PLUG BEFORE ATTEMPTING ANY REMEDY.

TROUBLE	LOOK FOR	REMEDY
Engine fails to start.	Safety System	If the engine will not start be sure the clutch control is disengaged; blade controls disengaged, the throttle control is set and the key is turned on. A. Disconnect the yellow wire from the engine. This comes from the ignition switch. B. If the engine fails to start the problem is with the engine, not the safety system. C. If the engine starts, the problem is with the safety system. Check the yellow wire for a ground. D. Check the operation of the switch behind the recoil starter handle. E. If the engine stops when the clutch or blade is engaged, the recoil handle is not pushed into the receptacle and twisted a quarter turn.
	Blocked fuel line or empty gas tank.	Clean fuel line; check fuel supply. Also check fuel shut-off valve.
	Defective spark plug.	Spark plug lead wire disconnected. Faulty spark plug—spark should jump gap between control electrode and side electrode. If spark does not jump, replace spark plug. NOTE: Use insulated pliers to hold the spark plug wire.
	Throttle setting.	Throttle control lever not in the starting position.
	Loose connections	Spark plug wire loose.
Hard starting or loss of power.	Dirty air cleaner.	Remove air cleaner and clean as outlined in **Engine Manual.**
	Carburetor improperly adjusted.	Review paragraph **Carburetor Adjustment.**
Excessive vibration.	Bent or damaged blade spindle.	Stop engine immediately; tighten all bolts and make all necessary repairs. If vibration continues, have the unit serviced by a competent repairman.
Unit fails to discharge grass.	Discharge chute clogged.	Clean discharge chute and inside of deck.
	Foreign object lodged in deck.	Remove object from deck. See CAUTION following step 1 in paragraph **Operation.**
Engine overheats.	Obstructions in air passages.	Remove any obstruction from air passages in **shroud.**
	Grass and dirt in engine shroud.	Clean cooling fins.
	Oil level.	Fill crankcase to proper oil level.

PARTS INFORMATION

DEFECTIVE OR MISSING PARTS must be reported to the factory immediately. Such claims must include your model number and date of purchase.

POWER EQUIPMENT PARTS AND SERVICE

Parts and service for all MTD manufactured power equipment are available through the authorized service firms listed below. All orders should specify the model number of your unit, parts numbers, description of parts and the quantity of each part required.

A 1 Engine & Mower Co.
327 East 9th Street
Salt Lake City, Utah 84102

Auto Electric & Carburetor Co.
2525 4th Avenue, S.
P. O. Box 1948
Birmingham, Alabama 35233

Automotive Equipment Service Co.
3117 Holmes Street
Kansas City, Missouri 64109

Bailey's Rebuild Inc.
1325 E. Madison Street
Seattle Washington 98102

Blackria, Inc.
7900 Lorain Avenue
Cleveland, Ohio 44102

Brown Equipment Distributor Inc.
110 Beech Street
Corydon, Indiana 47112

Bullard Supply
2409 Commerce Street
Houston, Texas 77003

Catto & Putty, Inc.
P. O. Box 2408
510 Soledad Street
San Antonio, Texas 78205

Center Supply Company
6867 New Hampshire Avenue
Takoma Park, Maryland 20012

Dixie Sales Company
P. O. Box 1408
327 Battleground Avenue
Greensboro, North Carolina 27402

East Point Cycle & Key Shop
1617 Whiteway
East Point, Georgia 30044

Gamble Distributors
West End Avenue
Carthage, New York 13619

Garden Equipment Co., Inc.
6600 Cherry Avenue
Long Beach, California 90805

Gardenville Supply, Inc.
Pipersville, Pennsylvania 18947

Henry W. O'Neil & Assoc., Inc.
410 North Goodman Street
Rochester, New York 14609

Henzler, Inc.
2015 Lemay Ferry Road
St. Louis, Missouri 63125

Kenton Supply
8216 North Danver Avenue
Portland, Oregon 97217

Kimber's Inc.
115 W. Geddes St.
Syracuse, New York 13204

Marr Brothers
423 E. Jefferson
Dallas, Texas 75203

McClure Lawn & Garden Supply
1114 Lexington Avenue
Mansfield, Ohio 44907

Memphis Cycle & Supply Co.
421 Monroe Avenue
Memphis Tennessee 38103

Morton B. Collins Co.
300 Birnie Avenue
Springfield, Massachusetts 01107

Moz-All of Florida, Inc.
365 Greco Avenue
Coral Gables, Florida 33146

National Central

Wadsworth, Ohio 44281

Parts & Sales Inc.
2101 Industrial Pkwy.
Elkhart, Indiana 46514

Powar Equipment Distributor
36463 So. Gratiot Avenue
Mt. Clemens, Michigan 48043

Power Lawn & Garden Equip. Co.
2551-2571 J. F. Kennedy Road
Dubuque, Iowa 52001

Radco Distributors
2403 Market Street
P. O. Box 3216
Jacksonville, Florida 32206

Raub Supply Company
James & Mulberry Sts.
Lancaster, Pennsylvania 17604

Richmond Battery & Ignition
P. O. Box 25369 — 957 Myers St.
Richmond, Virginia 23260

R. P. W., Inc.
623 S. 16th Street
Omaha, Nebraska 68102

Smith Hardware Company
515 N. George Street
Goldsboro, North Carolina 27530

South Denver Lawn Equip. Co.
527 West Evans
Denver, Colorado 80223

Suhren Engine
8330 Earhart Blvd.
New Orleans, Louisiana 70118

Sutton's Lawn Mower Shop
Route 4, Box 343
North Little Rock, Arkansas 72117

Warner Equipment
7520 Lyndale Avenue, So.
Minneapolis, Minnesota 55423

Woodson Sales & Service
1702 North Sylvania
Ft. Worth, Texas 76111

BRIGGS & STRATTON, TECUMSEH AND PEERLESS PARTS AND SERVICE

Briggs & Stratton, Tecumseh and Peerless parts and service should be handled by your nearest authorized engine service firm. Check the yellow pages of your telephone directory under the listing *Engines — Gasoline*, Briggs & Stratton or Tecumseh Lauson — Power Products.

WARRANTY PARTS AND SERVICE POLICY

The purpose of warranty is to protect the customer from defects in workmanship and materials, defects which are NOT detected at the time of manufacture. It does not provide for the unlimited and unrestricted replacement of parts. Use and maintenance are the responsibility of the customer. The manufacturer cannot assume responsibility for conditions over which it has no control. Simply put, if it's the manufacturer's fault, it's the manufacturer's responsibility; if it's the customer's fault, it's the customer's responsibility.

CLAIMS AGAINST THE MANUFACTURER'S WARRANTY INCLUDES

1. **Replacement** of **Missing Parts** on new equipment.
2. **Replacement** of **Defective Parts** within the warranty period.
3. **Repair** of **Defects** within the warranty period.

All claims MUST be substantiated with the following information:

1. **Model Number** of unit involved.
2. **Date** unit was **purchased** or first put into service.
3. **Date of failure.**
4. **Nature of failure.**